## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

## LISTING OF CLAIMS

1. (Currently amended) A die for forming a work-piece having a complex geometry, comprising:

a die insert having <u>a first axis and</u> an interior surface that defines a first portion of said complex geometry;

a retainer ring that selectively engages said die insert and includes a circumferential interior surface that defines a second portion of said complex geometry; and

a punch insert that is slidably disposed in said retainer ring and that includes and movable along a second axis, wherein the punch insert is movable relative to the die insert to a position where the second axis is offset from the first axis and another position where the second axis is aligned with the first axis, the punch insert including a surface that defines a third portion of said complex geometry.

- 2. (Original) The die of claim 1 further comprising an adaptor that couples said retainer ring and said punch insert to a forging machine.
- 3. (Original) The die of claim 2 further comprising a first series of resilient members that couple said retainer ring and said adaptor.

- 4. (Currently amended) The die of claim [[2]] 3 further comprising a second series of resilient members that couple said punch insert and said adaptor.
- 5. (Original) The die of claim 1 further comprising a stopper that extends into said retainer ring to limit sliding movement of said punch insert relative to said retainer ring.
- 6. (Original) The die of claim 5 wherein said punch insert includes a tab formed therein, said tab selectively engaging said stopper to limit sliding motion of said punch insert relative to said retainer ring.
- 7. (Original) The die of claim 1 wherein said die insert includes a relief that slidably receives an end of said retainer ring.
- 8. (Currently amended) A finish pass die that forms a complex geometry into a partially forged work-piece, comprising:

a die insert having an interior surface that defines a first face of said complex geometry;

a retainer ring that is axial movable relative to said die insert along an axis of said die insert between an engaged position and a disengaged position, wherein in said disengaged position said retainer ring radially floats relative to [[an]] said axis of said die insert and in said engaged position said retainer ring is aligned with said axis and engages said die insert; and

a finish punch insert that is slidably disposed in said retainer ring and that includes a surface that defines a second face of said complex geometry and when said retainer ring is in said engaged position, said partially forged work-piece is sandwiched between said interior surface of said die insert and said surface of said finish punch insert to form said complex geometry.

- 9. The finish pass die of claim 8 wherein said die insert and includes a circumferential interior surface that defines a circumferential surface of said complex geometry.
- 10. (Original) The finish pass die of claim 8 further comprising an adaptor that couples said retainer ring and said finish punch insert to a forging machine.
- 11. (Original) The finish pass die of claim 10 further comprising a first series of resilient members that couple said retainer ring and said adaptor.
- 12. (Currently amended) The finish pass die of claim [[10]] 11 further comprising a second series of resilient members that couple said finish punch insert and said adaptor.
- 13. (Original) The finish pass die of claim 8 further comprising a stopper that extends into said retainer ring to limit sliding movement of said finish punch insert relative to said retainer ring.

- 14. (Original) The finish pass die of claim 13 wherein said finish punch insert includes a tab formed therein, said tab selectively engaging said stopper to limit sliding motion of said finish punch insert relative to said retainer ring.
- 15. (Original) The finish pass die of claim 8 wherein said die insert includes a relief that slidably receives an end of said retainer ring.
- 16. (Currently amended) A multi-pass forging machine that forms a complex geometry into a work-piece, comprising:
  - a first pass die that partially forms said work-piece; and
- a finish pass die that forms said complex geometry in said partially formed workpiece, said finish pass die comprising:
- a die insert having <u>an axis and</u> an interior surface that defines a first portion of said complex geometry;
- a retainer ring that selectively engages said die insert and includes a circumferential interior surface that defines a second portion of said complex geometry, said retainer ring being movable relative to said die insert along said axis as well as in a direction substantially perpendicular to said axis; and
- a finish punch insert that is slidably disposed in said retainer ring and that includes a surface that defines a third portion of said complex geometry.
- 17. (Original) The multi-pass forging machine of claim 16 further comprising an adaptor that couples said retainer ring and said finish punch insert to a forging machine.

- 18. (Original) The multi-pass forging machine of claim 17 further comprising a first series of resilient members that couple said retainer ring and said adaptor.
- 19. (Currently amended) The multi-pass forging machine of claim [[17]] 18 further comprising a second series of resilient members that couple said finish punch insert and said adaptor.
- 20. (Original) The multi-pass forging machine of claim 16 further comprising a stopper that extends into said retainer ring to limit sliding movement of said finish punch insert relative to said retainer ring.
- 21. (Original) The multi-pass forging machine of claim 20 wherein said finish punch insert includes a tab formed therein, said tab selectively engaging said stopper to limit sliding motion of said finish punch insert relative to said retainer ring.
- 22. (Original) The multi-pass forging machine of claim 16 wherein said die insert includes a relief that slidably receives an end of said retainer ring.